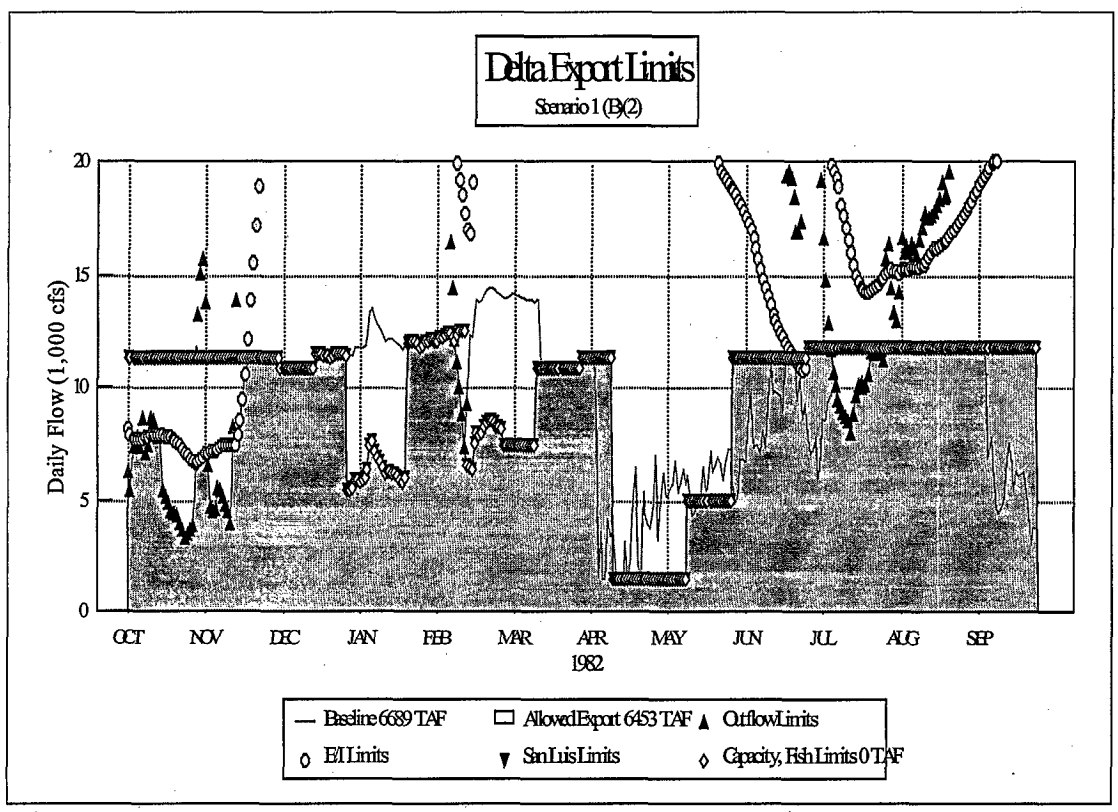
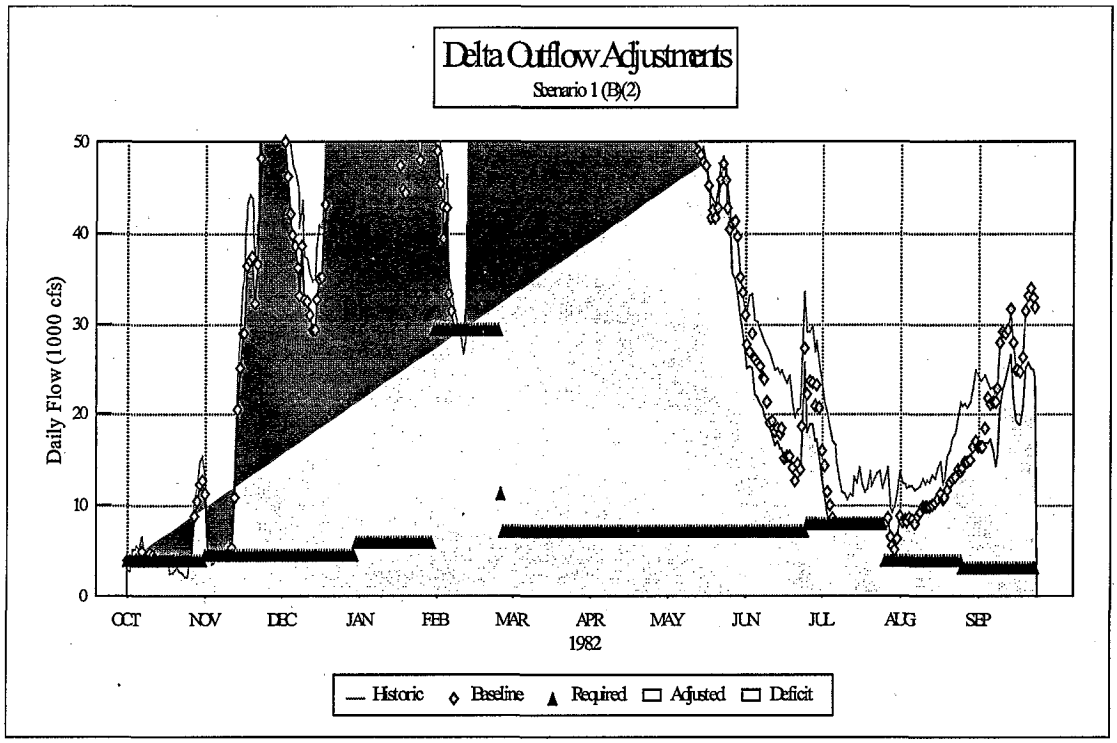
1974

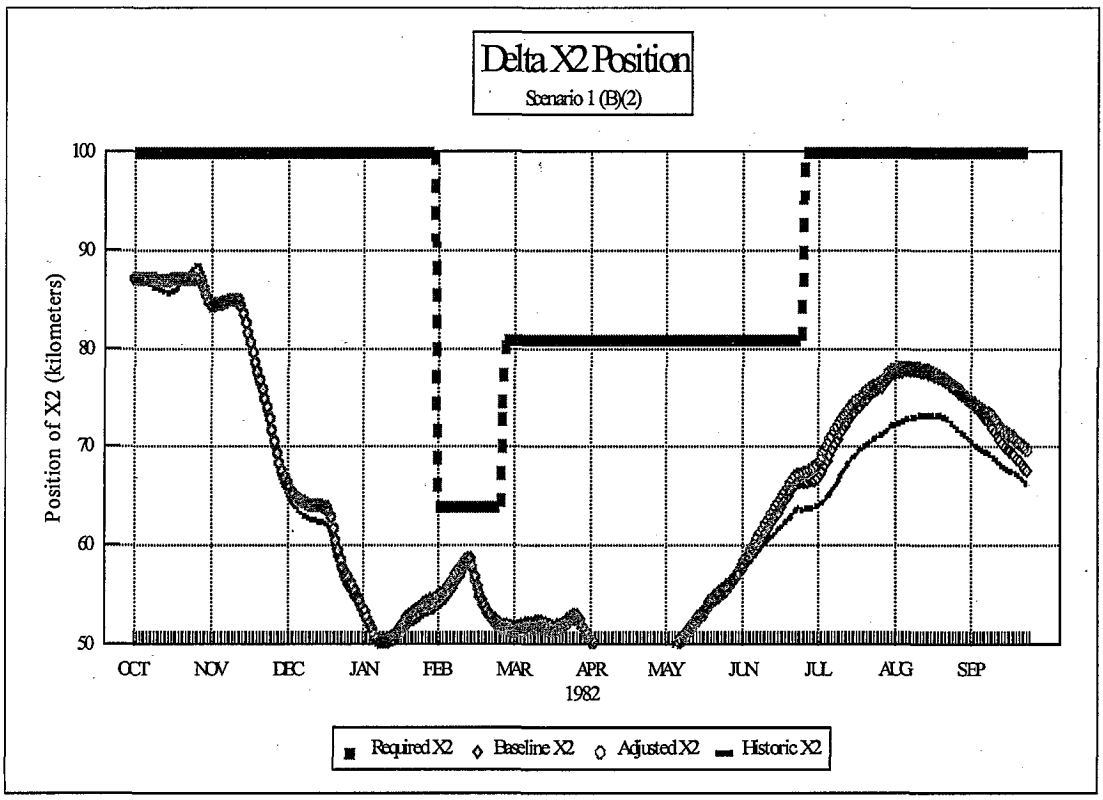
Scenario 1 (b)(2) Gaming of 1982. Because of the wet conditions, it is assumed that there would be no (b)(2) accounting cost for upstream reservoir actions. It is also asumed that there would be no export reduction from WQCP objectives. The entire 800 TAF would be available for in Delta acitions.

The following graphs show the results of the Scenario 1 gaming of historical 1982 inflows, with an initial San Luis storage of only 160 TAF. Export reductions were specified in some weeks of December through May. The (b)(2) accounting, based on the baseline minus the adjusted only on days when the adjusted exports were less than the baseline were: December 45 TAF, January 223 TAF, February 179 TAF, March 171 TAF, April 56 TAF, and May 139 TAF. The total use was 813 TAF.

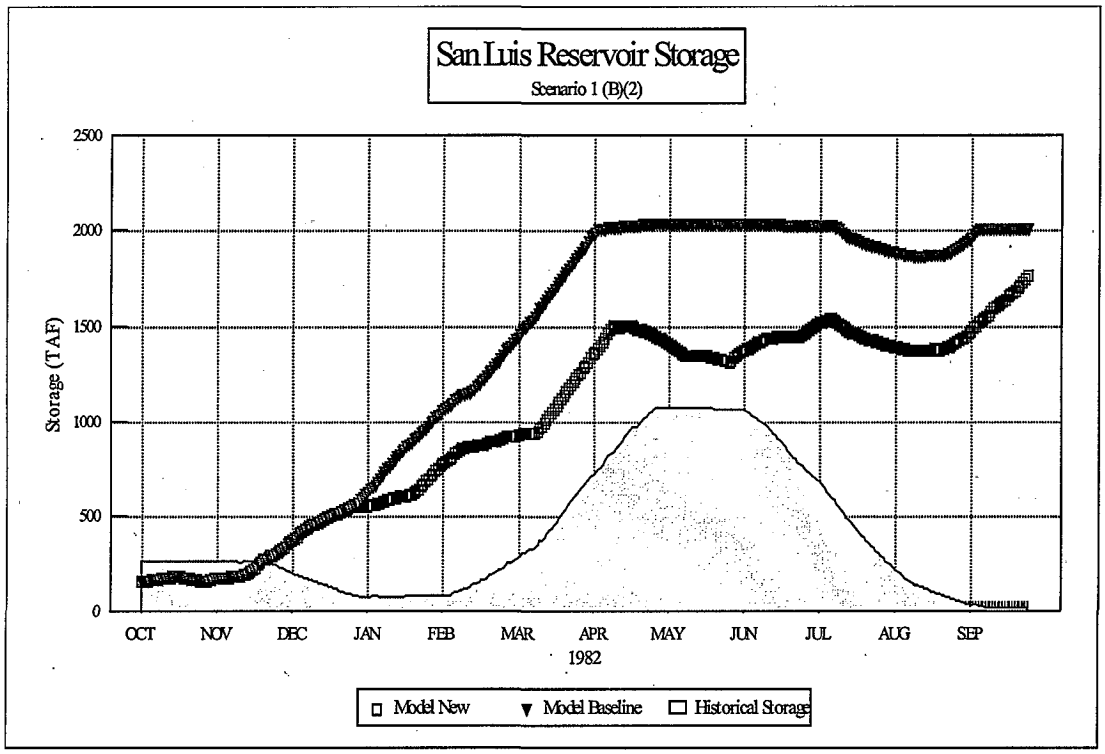
The impact on allowable exports was only 236 TAF, because the daily model simulations indicated that all historical demands could be met and San Luis could be nearly filled.

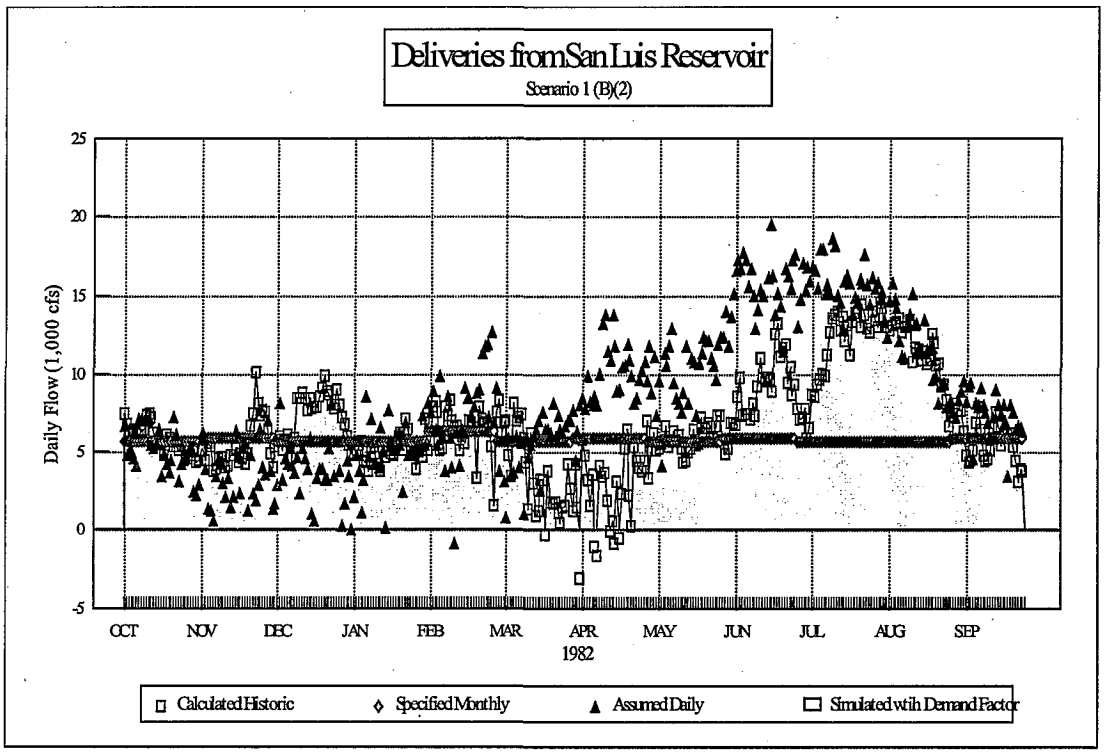



Delta Outflow Adjustments
Scenario 1 (B)(2)
Daily Flow (1000 cfs)
50
40
30
20
10
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
1982
Historic
Baseline
Required
Adjusted
Deficit

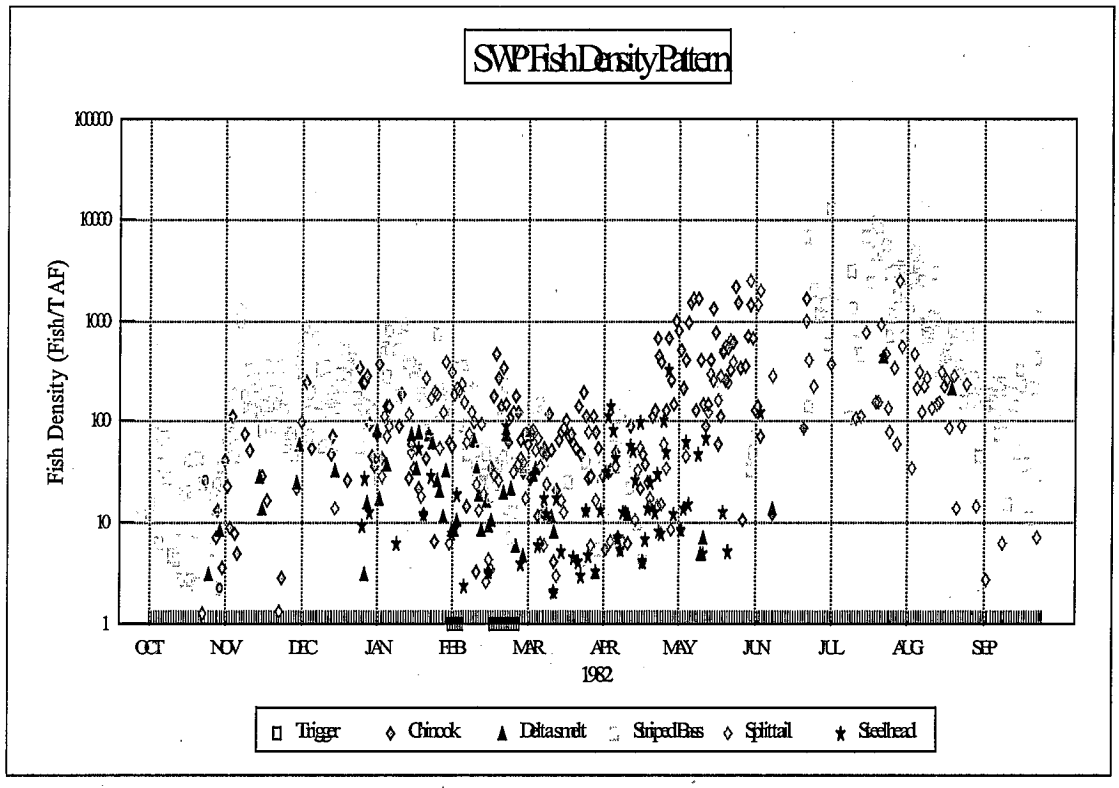

Delta X2 Position
Scenario 1 (B)(2)
Position of X2 (kilometers)
100
90
80
70
60
50
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
1982
Required X2
Baseline X2
Adjusted X2
Historic X2

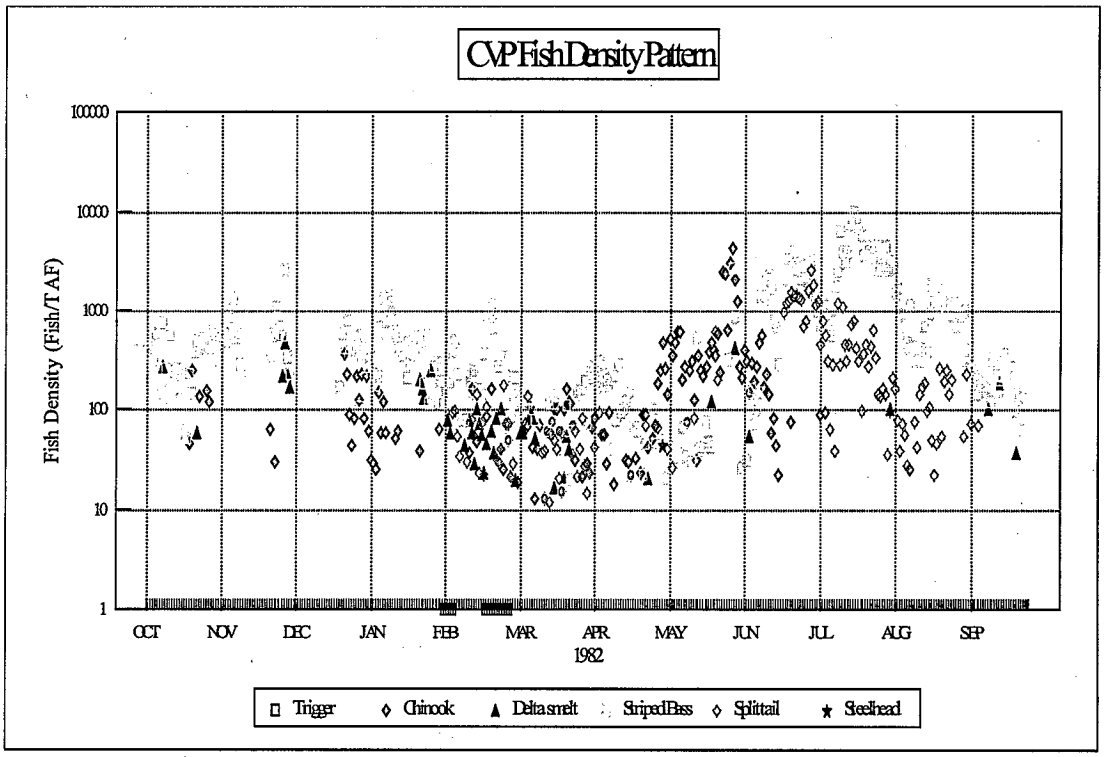
D-062243

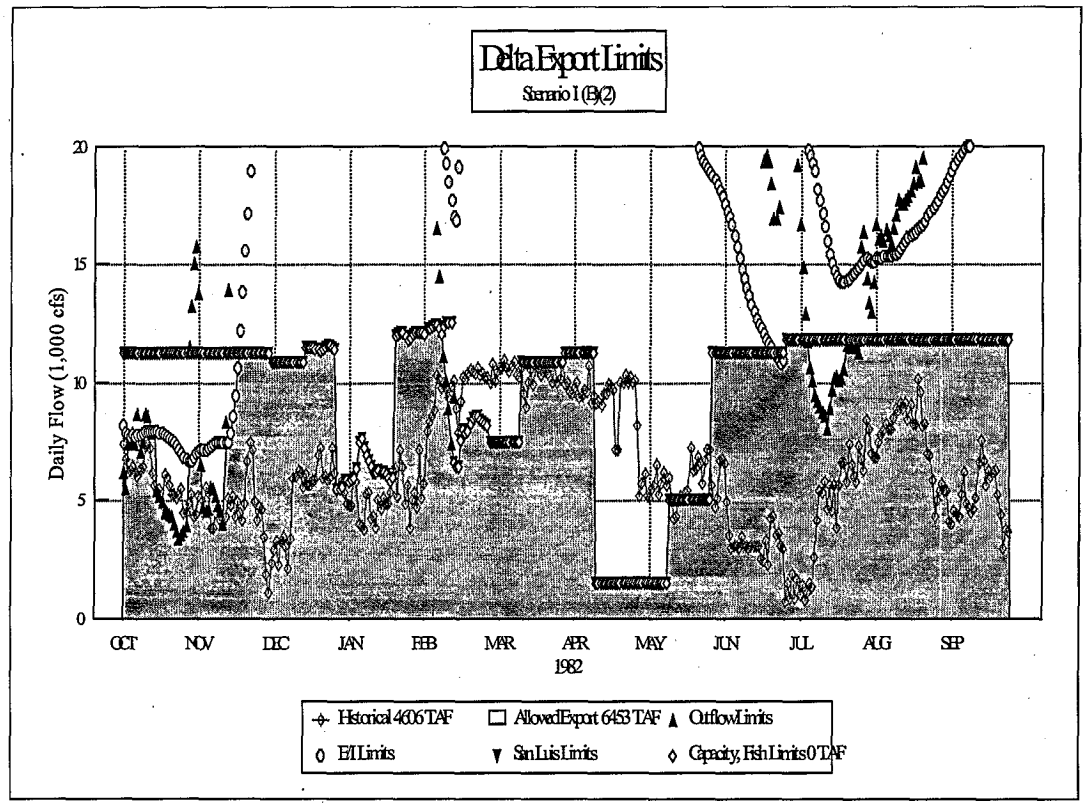

San Luis Reservoir Storage
Scenario 1 (B)(2)
Storage (TAF)
2500
2000
1500
1000
500
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
1982
Model New
Model Baseline
Historical Storage


Deliveries from San Luis Reservoir
Scenario 1 (B)(2)
Daily Flow (1,000 cfs)
25
20
15
10
5
0
-5
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
1982
Calculated Historic
Specified Monthly
Assumed Daily
Simulated with Demand Factor

D-062244


SWP Fish Density Pattern
Fish Density (Fish/TAF)
100000
10000
1000
100
10
1
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
1982
Trigger
Chinook
Delta smelt
Striped Bass
Splittail
Steelhead


CVP Fish Density Pattern
Fish Density (Fish/TAF)
100000
10000
1000
100
10
1
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
1982
Trigger
Chinook
Delta smelt
Striped Bass
Splittail
Steelhead


Delta Export Limits
Scenario 1 (B)(2)
Daily Flow (1,000 cfs)
20
15
10
5
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
1982
Historical 4606 TAF
Allowed Export 6453 TAF
Outflow Limits
E/I Limits
San Luis Limits
Capacity, Fish Limits 0 TAF